ELSEVIER

Pattern Recognition Letters 15 (1994) 1279–1292

Pattern Recognition Letters

Master index of volumes 11–15

Abbas, H.M. and M.M. Fahmy, Classified vector quantization using variance classifier and maximum likelihood clustering, 15 (1994) 49

Abdel Wahab, H.M.S., *see* M.C. Fairhurst, 11 (1990) 537

Abe, K., *see* A. Held, 15 (1994) 611

Abeysekera, S.S. and B. Boashash, Methods of signal classification using the images produced by the Wigner-Ville distribution, 12 (1991) 717

Acevedo-Sotoca, I., *see* F.J. Lopez-Aligue, 12 (1991) 265

Aguilar, M. and M. Pancorbo, Noise characterization in Scanning Tunneling Microscopy (STM), 15 (1994) 985

Akarun, L. and R.A. Haddad, Adaptive decimated median filtering, 13 (1992) 57

Aladjem, M. and I. Dinstein, Linear mappings of local data structures, 13 (1992) 153

Aladjem, M.E., A statistical technique for evaluating the significance of control parameters of mapping procedures, 14 (1993) 631

Aladjem, M.E., Significance of the control parameters of a nonparametric linear mapping procedure, 14 (1993) 637

Alder, M., R. Togneri, E. Lai and Y. Attikiouzel, Kohonen's algorithm for the numerical parametrisation of manifolds, 11 (1990) 313

Alder, M., *see* G.S. Lim, 13 (1992) 325

Alder, M., S.G. Lim, P. Hadingham and Y. Attikiouzel, Improving neural net convergence, 13 (1992) 331

Alder, M.D., *see* R.A. McLaughlin, 15 (1994) 957

Alparone, L. and M. Barni, Dual-channel iterative even-median filter, 15 (1994) 949

Alpaydın, E., *see* F. Gürgen, 15 (1994) 1111

Alpaydın, R., *see* F. Gürgen, 15 (1994) 1111

Amarunnishad, T.M. and P.P. Das, Estimation of length for digitized straight lines in three dimensions, 11 (1990) 207

Amir, A. and D. Mintz, An efficient algorithm for generalized random sampling, 12 (1991) 683

Andreadis, I., M.A. Browne and J.A. Swift, Image pixel classification by chromaticity analysis, 11 (1990) 51

Ang, C.-H. and H. Samet, A fast quadtree normalization algorithm, 15 (1994) 57

Anisimov, V.A. and N.D. Gorsky, Fast hierarchical matching of an arbitrarily oriented template, 14 (1993) 95

Ankenbrandt, C.A., B.P. Buckles and F.E. Petry, Scene recognition using genetic algorithms with semantic nets, 11 (1990) 285

Arcelli, C. and G. Sanniti di Baja, Ridge points in Euclidean distance maps, 13 (1992) 237

Ardizzone, E., A. Chella, S. Gaglio and F. Sorbello, Motion analysis using the novelty filter, 12 (1991) 177

Ardizzone, E., A. Chella, R. Pirrone and F. Sorbello, Recovering 3-D form features by a connectionist architecture, 15 (1994) 77

Arnold, J., *see* R. Jagoe, 13 (1992) 143

Arnspang, J., On the use of time varying shading and surface rim irradiance, 12 (1991) 203

Arnspang, J., Fundamentals of texture flow equations in vision calculus, 12 (1991) 211

Arnsprang, J., The concept of virtual motion in vision calculus, 11 (1990) 575

Arya, S., D. DeMenthon, P. Meer and L.S. Davis, Textural analysis of range images, 12 (1991) 619

Asano, A., W. Zhang, K. Itoh and Y. Ichioka, Convergence properties of recursive rankorder filter and neural network, 11 (1990) 557

Atiquzzaman, M., Pipelined implementation of the multiresolution Hough transform in a pyramid multiprocessor, 15 (1994) 841

Attikiouzel, Y., *see* M. Alder, 11 (1990) 313

Attikiouzel, Y., *see* M. Alder, 13 (1992) 331

Austin, J., *see* G. Bolt, 13 (1992) 339

Avis, D., The m-core properly contains the m-divisible points in space, 14 (1993) 703

Bagherzadeh, N., *see* A. Kavianpour, 13 (1992) 843

Bagui, S.C., Classification using first-stage rank nearest neighbor rule for multiple classes, 14 (1993) 537

Bagui, S.C., Classification of multiple observations using a rank nearest neighbor rule, 14 (1993) 611

Baird, H.S., Recognition technology frontiers, 14 (1993) 327

Bala, J. and H. Wechsler, Shape analysis using genetic algorithms, 14 (1993) 965

Balasubramaniam, A., G. Parthasarathy and B.N. Chatterji, Knowledge based approach to cluster algorithm selection, 11 (1990) 651

Bandopadhay, A., *see* D. Lamb, 14 (1993) 213

Banerjee, D.K., *see* D.P. Mukherjee, 14 (1993) 155

Elsevier Science B.V.

Banerjee, S., An optimal algorithm to find the degrees of connectedness in an undirected edge-weighted graph, 12 (1991) 421
Banerjee, S. and A. Rosenfeld, MAP estimation of context-free grammars, 13 (1992) 95
Barnard, E., *see* A.M. Groenewald, 14 (1993) 567
Barni, M., *see* L. Alparone, 15 (1994) 949
Basu, A., *see* X. Li, 12 (1991) 241
Basu, A., Optimal discretization for stereo reconstruction, 13 (1992) 813
Batur, C., *see* A. Srinivasan, 15 (1994) 235
Bavarian, B., *see* Z.-P. Lo, 12 (1991) 649
Beckers, A.L.D. and A.W.M. Smeulders, The probability of a random straight line in two and three dimensions, 11 (1990) 233
Bedini, L., E. Fantini and A. Tonazzini, A dual approach to regularization in image restoration, 12 (1991) 687
Bedini, L., I. Gerace and A. Tonazzini, A GNC algorithm for constrained image reconstruction with continuous-valued line processes, 15 (1994) 907
Beil, W., Steerable filters and invariance theory, 15 (1994) 453
Bell, B. and L.F. Pau, Context knowledge and search control issues in object-oriented Prolog-based understanding, 13 (1992) 279
Ben-Arie, J., Probabilistic models of observed features and aspects with application to weighted aspect graphs, 11 (1990) 421
Bengio, Y., R. De Mori and M. Gori, Learning the dynamic nature of speech with back-propagation for sequences, 13 (1992) 375
Bengtsson, M., Stochastic optimization algorithms - an application to pattern matching, 11 (1990) 717
Ben-Hanan, U., *see* K. Peleg, 15 (1994) 111
Ben-Tzvi, D. and M.B. Sandler, A combinatorial Hough transform, 11 (1990) 167
Berenyi, H.M., V.F. Leavers and R.E. Burge, Automatic detection of targets against cluttered backgrounds using a fractal-oriented statistical analysis and Radon transform, 13 (1992) 869
Berger, L., J.-P. Mariot and C. Launay, A new formulation for fast image coding using quadtree representation, 13 (1992) 425
Bernaola-Galván, P., *see* R. Román-Roldán, 15 (1994) 567
Bertrand, G., *see* W. Gong, 11 (1990) 499
Bertrand, G. and G. Malandain, A new characterization of three-dimensional simple points, 15 (1994) 169
Bertrand, G., Simple points, topological numbers and geodesic neighborhoods in cubic grids, 15 (1994) 1003
Bhama, S., H. Singh and N.D. Phadte, Parallelism for the faster implementation of the K-L transform for image compression, 14 (1993) 651
Bhandari, D., N.R. Pal and D. Dutta Majumder, Fuzzy divergence, probability measure of fuzzy events and image thresholding, 13 (1992) 857
Bhandari, D., *see* S.K. Pal, 15 (1994) 261
Bhandarkar, S.M. and M. Suk, Pose verification as an optimal assignment problem, 12 (1991) 45
Bhandarkar, S.M., Parallelizing object recognition on the hypercube, 13 (1992) 433
Bhatnagar, D., *see* P. Kumar, 12 (1991) 543
Bhattacharya, B., H. Everrett and G. Toussaint, A counterexample to a dynamic algorithm for convex hulls of line arrangements, 12 (1991) 145
Bhattacharya, P. and F. Suraweera, An algorithm to compute the supremum of max-min powers and a property of fuzzy graphs, 12 (1991) 413
Bie, C.Y.C., H.C. Shen and D.K.Y. Chiu, Hierarchical maximum entropy partitioning in texture image analysis, 14 (1993) 421
Bien, Z., *see* D. Han, 15 (1994) 769
Bigun, J., *see* O. Hansen, 13 (1992) 253
Bigün, J., Unsupervised feature reduction in image segmentation by local transforms, 14 (1993) 573
Bijaoui, A., *see* L. Huang, 12 (1991) 69
Bisset, D.L., *see* E.C.D.B.C. Filho, 12 (1991) 131
Bisset, D.L., *see* A. De Carvalho, 15 (1994) 807
Bister, M., J. Cornelis and A. Rosenfeld, A critical view of pyramid segmentation algorithms, 11 (1990) 605
Biswas, S.S. and A.K. Ray, Region merging in 3-D images using morphological operators, 14 (1993) 23
Blake, R.E., A partial ordering for relational graphs applicable to varying levels of detail, 11 (1990) 305
Blauth, C., *see* R. Jagoe, 13 (1992) 143
Bloch, I., Fuzzy connectivity and mathematical morphology, 14 (1993) 483
Boashash, B., *see* S.S. Abeysekera, 12 (1991) 717
Bolt, G., J. Austin and G. Morgan, Uniform tuple storage in ADAM, 13 (1992) 339
Boninsegna, M. and M. Rossi, Similarity measures in computer vision, 15 (1994) 1255
Bonnin, A. and J.-M. Pallo, A shortest path metric on unlabeled binary trees, 13 (1992) 411
Boreddy, J., An incremental computation of convex hull of planar line intersections, 11 (1990) 541
Borgefors, G., A hierarchical 'square' tessalation of the sphere, 13 (1992) 183
Botha, E.C., *see* A.M. Groenewald, 14 (1993) 567
Bottoni, P., P. Mussio and M. Protti, Metareasoning in the determination of image interpretation strategies, 15 (1994) 177
Bowyer, K., *see* D. Eggert, 11 (1990) 751
Boxer, L. and R. Miller, Parallel algorithms for all maximal equally-spaced collinear sets and all maximal regular coplanar lattices, 14 (1993) 17
Boxer, L., C.-S. Chang, R. Miller and A. Rau-Chaplin, Polygonal approximation by boundary reduction, 14 (1993) 111
Boxer, L., Computing deviations from convexity in polygons, 14 (1993) 163
Boxer, L., Digitally continuous functions, 15 (1994) 833
Brailovsky, V.L., A probabilistic approach to clustering, 12 (1991) 193
Brailovsky, V.L., Vector piece-wise regression versus clustering (definition and comparative analysis), 13 (1992) 227
Brandt, R.D., *see* F. Lin, 14 (1993) 369

Brink, A.D., Erratum to "Grey-level thresholding of images using a correlation criterion", 11 (1990) 75
Bronnikov, A.V., Degradation transform in tomography, 15 (1994) 527
Brossman, C. and G.R. Cross, Model-based recognition of characters in trademark artwork, 11 (1990) 363
Brown, D.E., C.L. Huntley and P.J. Garvey, Clustering of homogeneous subsets, 12 (1991) 401
Browne, M.A., *see* I. Andreadis, 11 (1990) 51
Bruckstein, A.M., *see* N. Kiryati, 12 (1991) 291
Bruckstein, A.M., *see* Y. Pnueli, 15 (1994) 329
Brunelli, R., Optimal histogram partitioning using a simulated annealing technique, 13 (1992) 581
Buckles, B.P., *see* C.A. Ankenbrandt, 11 (1990) 285
Bunke, H., *see* X.Y. Jiang, 14 (1993) 553
Burbaud, J.C., Applied development of advanced techniques in post offices, 14 (1993) 259
Burdin, V., F. Ghorbel, J.L. De Bougrenet de la Tocnaye and C. Roux, A three-dimensiona! primitive extraction of long bones obtained from bi-dimensional Fourier descriptors, 13 (1992) 213
Burel, G. and D. Carel, Detection and localization of faces on digital images, 15 (1994) 963
Burge, R.E., *see* H.M. Berenyi, 13 (1992) 869
Burgess, N., *see* S. Di Zenzo, 14 (1993) 997
Buse, R. and H.-T. Tsui, Estimating surface orientation from directional textures, 14 (1993) 431
Butko, S.N., On one kind of classification problems, 11 (1990) 457
Caglioti, V., How to look at an uncertain point, 15 (1994) 287
Cai, C., *see* X. Chen, 14 (1993) 229
Cai, Z., A handwritten numeral recognition system using a multimicroprocessor, 12 (1991) 503
Cai, Z., A new decode algorithm for binary bar codes, 15 (1994) 1191
Campeanu, R.I., *see* M.S. Kamel, 15 (1994) 877
Cao, X., N. Shrikhande and G. Hu, Approximate orthogonal distance regression method for fitting quadric surfaces to range data, 15 (1994) 781
Capoyleas, V., Clamping of polygonal objects, 14 (1993) 707
Capson, D.W., *see* S. Xu, 14 (1993) 7
Caraux, G., *see* O. Gascuel, 13 (1992) 757
Carel, D., *see* G. Burel, 15 (1994) 963
Castagliola, P. and B. Dubuisson, Answer to Professor Dasarathy about "Two classes linear discrimination. A min-max approach" (Letter to the Editor), 12 (1991) 129
Cecchini, R. and A. Del Bimbo, A programming environment for imaging applications, 14 (1993) 817
Chan, W.W., *see* K.S.Y. Yuen, 15 (1994) 279
Chanda, B., Application of binary mathematical morphology to separate overlapped objects, 13 (1992) 639
Chanda, B., *see* P.K. Saha, 14 (1993) 173
Chang, C.C., *see* C.Y. Chen, 14 (1993) 465
Chang, C.-C. and T.-C. Wu, A hashing-oriented nearest neighbor searching scheme, 14 (1993) 625
Chang, C.-C., *see* T.-C. Wu, 15 (1994) 871
Chang, C.-S., *see* L. Boxer, 14 (1993) 111
Chang, C.-Y., *see* K.-C. Fan, 12 (1991) 627
Chang, H.-D., J.-F. Wang and S.-C. Kuo, A Bayesian neural network for separating similar complex handwritten Chinese characters, 15 (1994) 403
Chang, J.-C., *see* C.-H. Hsieh, 12 (1991) 605
Chang, Y.-L. and J.-J. Leou, A model-based approach to representation and matching of object shape patterns, 13 (1992) 707
Chatterji, B.N., *see* A. Balasubramaniam, 11 (1990) 651
Chattopadhyay, S. and P.P. Das, The K-dense corridor problems, 11 (1990) 463
Chattopadhyay, S. and P.P. Das, Counting thin and bushy triangulations of convex polygons, 12 (1991) 139
Chattopadhyay, S. and P.P. Das, A new method of analysis for discrete straight lines, 12 (1991) 747
Chaudhuri, B.B., An efficient algorithm for running window pel gray level ranking in 2-D images, 11 (1990) 77
Chaudhuri, B.B., Optimal circular fit to objects in two and three dimensions, 11 (1990) 571
Chaudhuri, B.B. and G.P. Samanta, Elliptic fit of objects in two and three dimensions by moment of inertia optimization, 12 (1991) 1
Chaudhuri, B.B., *see* M.K. Kundu, 12 (1991) 491
Chaudhuri, B.B., Some shape definitions in fuzzy geometry of space, 12 (1991) 531
Chaudhuri, B.B., Fuzzy convex hull determination in 2-D space, 12 (1991) 591
Chaudhuri, B.B., Concave fuzzy set: a concept complementary to the convex fuzzy set, 13 (1992) 103
Chaudhuri, B.B., *see* D. Chaudhuri, 13 (1992) 399
Chaudhuri, B.B. and P. Kundu, Optimum circular fit to weighted data in multi-dimensional space, 14 (1993) 1
Chaudhuri, B.B., *see* S.K. Parui, 14 (1993) 89
Chaudhuri, B.B., P. Kundi and N. Sarkar, Detection and gradation of oriented texture, 14 (1993) 147
Chaudhuri, B.B. and P. Kundu, Erratum to "Optimal circular fit to weighted data in multi-dimensional space", 14 (1993) 441
Chaudhuri, B.B., *see* P. Kundu, 14 (1993) 825
Chaudhuri, B.B., Dynamic clustering for time incremental data, 15 (1994) 27
Chaudhuri, B.B., How to choose a representative subset from a set of data in multi-dimensional space, 15 (1994) 893
Chaudhuri, D., B.B. Chaudhuri and C.A. Murthy, A new split-and-merge clustering technique, 13 (1992) 399
Chella, A., *see* E. Ardizzone, 12 (1991) 177
Chella, A., *see* E. Ardizzone, 15 (1994) 77
Chellappa, R., *see* T. Kanaoka, 13 (1992) 837
Chen, C.-C., A nonparametric test for comparing estimators in Markov random fields, 11 (1990) 765
Chen, C.-C. and C.-L. Huang, Markov random fields for texture classification, 14 (1993) 907
Chen, C.-S. and W.-H. Tsai, A new fast one-pass thinning algorithm and its parallel hardware implementation, 11 (1990) 471
Chen, C.-W., *see* C.-L. Huang, 13 (1992) 569
Chen, C.Y. and C.C. Chang, An object-oriented similarity retrival algorithm for iconic image databases, 14 (1993) 465

Chen, J.-A., *see* J.-C. Lin, 15 (1994) 1081
Chen, J.-M., *see* J.A. Ventura, 14 (1993) 445
Chen, L.-H. and K.-L. Lee, A new method for circular object detection and location, 11 (1990) 691
Chen, L.-H., *see* P.-Y. Yin, 15 (1994) 125
Chen, L.T. and L.S. Davis, Parallel algorithms for testing if a point is inside a closed curve, 12 (1991) 73
Chen, L.T. and L.S. Davis, Parallel curve matching on the Connection Machine, 14 (1993) 133
Chen, M., *see* T. Pavlidis, 14 (1993) 559
Chen, M.-S. and H.-C. Wang, A decision-enhanced pattern classifier based on neutral network approach, 13 (1992) 315
Chen, S., *see* T.J. Hebert, 14 (1993) 507
Chen, X. and C. Cai, A chain VQ clustering algorithm for real-time speech recognition, 14 (1993) 229
Chen, Y.-S. and W.-H. Hsu, A comparison of some one-pass parallel thinnings, 11 (1990) 35
Chen, Y.-S., *see* J.-D. Yang, 15 (1994) 141
Cheng, M.-C., *see* N. Fang, 14 (1993) 397
Cheng, M.-C., *see* Y.-T. Lin, 14 (1993) 453
Cheng, M.-T., *see* S. Zhong, 15 (1994) 1171
Cheriet, M., *see* C.Y. Suen, 14 (1993) 303
Cheriet, M. and C.Y. Suen, Extraction of key letters for cursive script recognition, 14 (1993) 1009
Chetverikov, D. and A. Lerch, A matching algorithm for motion analysis of dense populations, 11 (1990) 743
Chetverikov, D., Fast neighborhood search in planar point sets, 12 (1991) 409
Chetverikov, D., Generating contrast curves for texture regularity analysis, 12 (1991) 437
Chetverikov, D. and A. Lerch, A multiresolution algorithm for rotation-invariant matching of planar shapes, 13 (1992) 669
Cheung, C.Y., *see* D.B. Sher, 15 (1994) 357
Chiang, C.-C. and H.-C. Fu, The classification capability of a dynamic threshold neural network, 15 (1994) 409
Chiang, S.-M., *see* Y.-T. Lin, 14 (1993) 453
Chiavetta, F. and V. Di Gesù, Parallel computation of the Euler number via Connectivity Graph, 14 (1993) 849
Chilingarian, A.A. and G.Z. Zazian, A bootstrap method of distribution mixture proportion determination, 11 (1990) 781
Chiu, D.K.Y., *see* C.Y.C. Bie, 14 (1993) 421
Cho, C.J. and J.H. Kim, Recognizing 3-D objects by forward checking constrained tree search, 13 (1992) 587
Cho, K. and S.M. Dunn, Hierarchical local symmetries, 12 (1991) 343
Cho, S.-B. and J.H. Kim, A two-stage classification scheme with backpropagation neural network classifiers, 13 (1992) 309
Cho, T.I., *see* Y.S. Lim, 11 (1990) 699
Cho, T.I., *see* I.G. Chun, 15 (1994) 151
Choakjarernwanit, N., *see* P. Pudil, 14 (1993) 841
Choi, J.S., *see* D.J. Park, 15 (1994) 65
Choi, W.Y., *see* D.H. Kim, 13 (1992) 735
Choi, Y.K., *see* D.S. Seong, 15 (1994) 321
Chou, S.-L., J.-C. Lin and W.-H. Tsai, Fold principal axis - a new tool for defining the orientations of rotationally symmetric shapes, 12 (1991) 109
Choudhury, S. and N. Murty, A divisive scheme for constructing minimal spanning trees in coordinate space, 11 (1990) 385
Christofides, N., *see* Y.M. Sharaiha, 15 (1994) 1033
Chu, A., C.M. Sehgal and J.F. Greenleaf, Use of gray value distribution of run lengths for texture analysis", 11 (1990) 415
Chun, I.G., T.I. Cho and K.H. Park, Boundary detection in a hexagonal grid using energy minimization, 15 (1994) 151
Chung, K.-L. and Y.-C. Lin, Leftmost-one finding on meshes with segmented row buses, 15 (1994) 1165
Cimikowski, R.J., Properties of some Euclidean proximity graphs, 13 (1992) 417
Ciuti, V., G. Marola and D. Santerini, An algorithm for the localization of rotated and scaled objects, 11 (1990) 59
Cohen, A.H. and J. You, A multi-scale texture classifier based on multi-resolution 'tuned' mask, 13 (1992) 599
Cole, J.B., H. Murase and S. Naito, A Lie group theoretic approach to the invariance problem in feature extraction and object recognition, 12 (1991) 519
Collignon, A., D. Vandermeulen, P. Suetens and G. Marchal, Registration of 3D multi-modality medical images using surfaces and point landmarks, 15 (1994) 461
Colombo, C., A. Del Bimbo and S. Santini, Optical flow through relaxation in the velocity space, 15 (1994) 373
Cooper, M.A., A probability weighted Hough transform technique for shape retrieval from noisy imagery, 15 (1994) 619
Cornelis, J., *see* M. Bister, 11 (1990) 605
Cowley, K.D., *see* M.C. Fairhurst, 14 (1993) 141
Cristobal, G. and R. Navarro, Space and frequency variant image enhancement based on a Gabor representation, 15 (1994) 273
Cross, G.R., *see* C. Brossman, 11 (1990) 363
Cseke, I. and Z. Fazekas, Comments on gray-level thresholding of images using a correlation criterion, 11 (1990) 709
Cumani, A. and A. Guiducci, A new camera calibration method for high accuracy non-contact metrology, 14 (1993) 415
Darell, T. and K. Wohn, Depth from focus using a pyramid architecture, 11 (1990) 787
Das, P.P., *see* T.M. Amarunnishad, 11 (1990) 207
Das, P.P., *see* S. Chattopadhyay, 11 (1990) 463
Das, P.P. and J. Mukherjee, Metricity of superknight's distance in digital geometry, 11 (1990) 601
Das, P.P., Lattice of octagonal distances in digital geometry, 11 (1990) 663
Das, P.P., *see* S. Chattopadhyay, 12 (1991) 139
Das, P.P., Counting minimal paths in digital geometry, 12 (1991) 595
Das, P.P., *see* S. Chattopadhyay, 12 (1991) 747
Dasarathy, B.V., A generalized discriminant hyperplane pairs approach to pattern classification (Letter to the Editor), 12 (1991) 127
Dasarathy, B.V. and E.B. Holder, Image characterizations based on joint gray level-run length distributions, 12 (1991) 497
Dave, R.N., Characterization and detection of noise in clustering, 12 (1991) 657
Davies, E.R., Minimising the search space for polygon detection using the generalised Hough transform 9 (1989) 181-192, Locating objects from their point features using an optimised Hough-like accumulation technique, 13 (1992) 113

Davis, L.S., *see* L.T. Chen, 12 (1991) 73
Davis, L.S., *see* S. Arya, 12 (1991) 619
Davis, L.S., *see* B. Kamgar-Parsi, 13 (1992) 657
Davis, L.S., *see* L.T. Chen, 14 (1993) 133
De Bougrenet de la Tocnaye, J.L., *see* V. Burdin, 13 (1992) 213
De Carvalho, A., M.C. Fairhurst and D.L. Bisset, An integrated Boolean neural network for pattern classification, 15 (1994) 807
De Floriani, L., P. Jeanne and G. Nagy, Visibility-related image features, 13 (1992) 463
De Graaf, C.N., A.S.E. Koster, K.L. Vincken and M.A. Viergever, Validation of the interleaved pyramid for the segmentation of 3D vector images, 15 (1994) 469
Del Bimbo, A., *see* R. Cecchini, 14 (1993) 817
Del Bimbo, A., *see* C. Colombo, 15 (1994) 373
DeMenthon, D., *see* S. Arya, 12 (1991) 619
De Mori, R., *see* Y. Bengio, 13 (1992) 375
Denasi, S., G. Quaglia and D. Rinaudi, The use of perceptual organization in the prediction of geometric structures, 13 (1992) 529
Denisov, D.A. and A.K. Dudkin, Model-based chromosome recognition via hypotheses construction/verification, 15 (1994) 299
DeSilva, C.J.S., *see* R.A. McLaughlin, 15 (1994) 957
De Vriendt, J., Derivation of the third-order directional derivative, 14 (1993) 563
De Waard, W.P., Neural techniques and postal code detection, 15 (1994) 199
Dhome, M., *see* R. Glachet, 12 (1991) 693
Diaspro, A., G. Parodi and R. Zunino, A performance analysis of an associative system for image classification, 14 (1993) 861
Diday, E., *see* K.C. Gowda, 12 (1991) 259
Di Gesù, V., *see* F. Chiavetta, 14 (1993) 849
Di Gesù, V. and L. Romeo, An application of integrated clustering to MRI segmentation, 15 (1994) 731
Dinstein, I. and G.M. Landau, Parallel algorithms for contour extraction and coding on a EREW PRAM computer, 11 (1990) 87
Dinstein, I. and G.M. Landau, Parallel computable contour based feature strings for 2-D shape recognition, 12 (1991) 299
Dinstein, I., *see* M. Aladjem, 13 (1992) 153
Diprima, M., *see* E. Trucco, 15 (1994) 1151
Di Zenzo, S., Decomposing a plane figure into lines and nodes, 14 (1993) 935
Di Zenzo, S., N. Burgess, P. Ferragina and M. Notturno Granieri, Recognition by constructive neural algorithms, 14 (1993) 997
Dobie, M.R. and P.H. Lewis, Data structures for image processing in C, 12 (1991) 457
Dougherty, E.R., Minimal representation of τ-openings via pattern bases, 15 (1994) 1028
Dubes, R.C., *see* M.-P. Dubuisson, 15 (1994) 419
Dubuisson, B., *see* P. Castagliola, 12 (1991) 129
Dubuisson, M.-P. and R.C. Dubes, Efficacy of fractal features in segmenting images of natural textures, 15 (1994) 419
Dudkin, A.K., *see* D.A. Denisov, 15 (1994) 299
Duin, R.P.W., Superlearning and neural network magic (*IAPR pages*), 15 (1994) 215
Dunham, J.G., *see* C.-C. Lu, 14 (1993) 945
Dunn, S.M., *see* K. Cho, 12 (1991) 343
Dutta Majumder, D., *see* L. Lalitha, 11 (1990) 561
Dutta Majumder, D., *see* M.K. Kundu, 12 (1991) 491
Dutta Majumder, D., *see* G. Lohar, 13 (1992) 701
Dutta Majumder, D., *see* D. Bhandari, 13 (1992) 857
Dutta Majumder, D., *see* D.P. Mukherjee, 14 (1993) 155
Dutta Majumder, D., *see* P.K. Saha, 14 (1993) 173
Dutta Majumder, D., *see* K.S. Ray, 15 (1994) 815
Eades, P. and D. Rappaport, The complexity of computing minimum separating polygons, 14 (1993) 715
Eberly, D.H., *see* D.S. Fritsch, 15 (1994) 445
Eggert, D. and K. Bowyer, Computing the orthographic projection aspect graph of solids of revolution, 11 (1990) 751
ElGindy, H., H. Everett and G. Toussaint, Slicing an ear using prune-and-search, 14 (1993) 719
Elliman, D.G., *see* I.T. Lancaster, 11 (1990) 175
Escola, H., E. Poiseau, M. Jobert and P. Gaillard, Classification using distance-based segmentation application to the analysis of EEG signals, 12 (1991) 327
Espelid, R. and I. Jonassen, A comparison of splitting methods for the identification of corner-points, 12 (1991) 79
Everett, H., *see* X. Kong, 11 (1990) 713
Everett, H., *see* H. ElGindy, 14 (1993) 719
Everrett, H., *see* B. Bhattacharya, 12 (1991) 145
Fabre, J.-P., *see* D. Ziou, 15 (1994) 1049
Fahmy, M.M., *see* H.M. Abbas, 15 (1994) 49
Fairhurst, M.C. and H.M.S. Abdel Wahab, An interactive two-level architecture for a memory network pattern classifier, 11 (1990) 537
Fairhurst, M.C., *see* E.C.D.B.C. Filho, 12 (1991) 131
Fairhurst, M.C. and K.D. Cowley, Parallel multi-layer classifier architectures of increasing hierarchical order, 14 (1993) 141
Fairhurst, M.C., *see* A. De Carvalho, 15 (1994) 807
Fairney, P.T., *see* D.P. Illing, 12 (1991) 31
Fairney, P.T., *see* D.P. Illing, 12 (1991) 557
Faloutsos, C., Analytical results on the quadtree decomposition of arbitrary rectangles, 13 (1992) 31
Fan, K.-C. and C.-Y. Chang, Surface extraction from line drawings of a polyhedron, 12 (1991) 627
Fan, K.-C., C.-H. Liu and Y.-K. Wang, Segmentation and classification of mixed text/graphics/image documents, 15 (1994) 1201
Fang, N. and M.-C. Cheng, An automatic crossover point selection technique for image enhancement using fuzzy sets, 14 (1993) 397
Fang, N., *see* Y.-T. Lin, 14 (1993) 453
Fantini, E., *see* L. Bedini, 12 (1991) 687
Fazekas, Z., *see* I. Cseke, 11 (1990) 709
Fdez-Valdivia, J., *see* N. Pérez de la Blanca, 14 (1993) 489
Fdez-Valdivia, J., *see* J.A. García, 15 (1994) 937
Ferragina, P., *see* S. Di Zenzo, 14 (1993) 997
Ferri, F. and E. Vidal, Colour image segmentation and labeling through multiedit-condensing, 13 (1992) 561
Feuerstein, C., *see* I. Gath, 15 (1994) 977

Fierens, F., J. Van Cleynenbreugel, P. Suetens and A. Oosterlinck, Iconic representation of visual data and models, 12 (1991) 781
Filho, E.C.D.B.C., M.C. Fairhurst and D.L. Bisset, Adaptive pattern recognition using goal seeking neurons, 12 (1991) 131
Flusser, J. and T. Suk, Affine moment invariants: a new tool for character recognition, 15 (1994) 433
Ford, G.E., *see* S.D. You, 15 (1994) 761
Fortune, S., A note on Delaunay diagonal flips, 14 (1993) 723
Frigui, H., *see* R. Krishnapuram, 14 (1993) 545
Fritsch, D.S., S.M. Pizer, B.S. Morse, D.H. Eberly and A. Liu, The multiscale medial axis and its applications in image registration, 15 (1994) 445
Fu, H.-C., *see* C.-C. Chiang, 15 (1994) 409
Gaglio, S., *see* E. Ardizzone, 12 (1991) 177
Gaillard, P., *see* H. Escola, 12 (1991) 327
Gambotto, J.-P., A new approach to combining region growing and edge detection, 14 (1993) 869
Gan, K.W. and K.T. Lua, A new approach to stroke and feature point extraction in Chinese character recognition, 12 (1991) 381
García, J.A., *see* N. Pérez de la Blanca, 14 (1993) 489
García, J.A., R. Molina and N. Pérez de la Blanca, Automatic characterization of spiral and elliptical galaxies from digital images, 15 (1994) 861
García, J.A. and J. Fdez-Valdivia, Representing planar curves by using a scale vector, 15 (1994) 937
Garvey, P.J., *see* D.E. Brown, 12 (1991) 401
Gascuel, O. and G. Caraux, Distribution-free performance bounds with the resubstitution error estimate, 13 (1992) 757
Gath, I., C. Feuerstein and A. Geva, Unsupervised classification and adaptive definition of sleep patterns, 15 (1994) 977
Gavrila, D.M. and F.C.A. Groen, 3D object recognition from 2D images using geometric hashing, 13 (1992) 263
Gerace, I., *see* L. Bedini, 15 (1994) 907
Geraets, W.G.M. and P.F. Van der Stelt, Analysis of the radiographic trabecular pattern, 12 (1991) 575
Geva, A., *see* I. Gath, 15 (1994) 977
Ghorbel, F., *see* V. Burdin, 13 (1992) 213
Ghorbel, F., A complete invariant description for gray-level images by the harmonic analysis approach, 15 (1994) 1040
Ghosh, A. and S.K. Pal, Neural network, self-organization and object extraction, 13 (1992) 387
Gilloux, M., Research into the new generation of character and mailing address recognition systems at the French post office research center, 14 (1993) 267
Gimel'farb, G.L. and A.V. Zalesny, Probabilistic models of digital region maps based on Markov random fields with short- and long-range interaction, 14 (1993) 789
Glachet, R., M. Dhome and J.T. Lapreste, Finding the perspective projection of an axis of revolution, 12 (1991) 693
Glasbey, C.A., G.W. Horgan and D. Hitchcock, A note on the grey-scale response and sampling properties of a desktop scanner, 15 (1994) 705
Gluchev, G., *see* V. Shapiro, 14 (1993) 71
Gofman, Y., Outline of a set of points, 14 (1993) 31
Goh, S.-C. and C.-N. Lee, Counting minimal paths in 3D digital geometry, 13 (1992) 765
Goh, S.-C. and C.-N. Lee, Counting minimal 18-paths in 3D digital space, 14 (1993) 39
Goldgof, D.B., *see* S.K. Mishra, 15 (1994) 559
Gong, W. and G. Bertrand, A note on "Thinning of 3-D images using the Safe Point Thinning Algorithm (SPTA)", 11 (1990) 499
Goodson, K.J. and P.H. Lewis, A knowledge based line recognition system, 11 (1990) 295
Gori, M., *see* Y. Bengio, 13 (1992) 375
Gorsky, N.D., *see* V.A. Anisimov, 14 (1993) 95
Gorsky, N.D., Experiments with handwriting recognition using holographic representation of line images, 15 (1994) 853
Gotsman, C., A cluster detection algorithm based on percolation theory, 12 (1991) 199
Gotsman, C., On the most robust affine basis, 14 (1993) 647
Goulish, M., *see* A. Jain, 13 (1992) 41
Govindan, V.K. and A.P. Shivaprasad, Artificial database for character recognition research, 12 (1991) 645
Govindaraju, V., *see* S. Setlur, 15 (1994) 901
Gowda, K.C. and E. Diday, Unsupervised learning through symbolic clustering, 12 (1991) 259
Grace, A.E. and M. Spann, A comparison between Fourier- Mellin descriptors and moment based features for invariant object recognition using neural networks, 12 (1991) 635
Grattoni, P. and A. Guiducci, Contour coding for image description, 11 (1990) 95
Greenleaf, J.F., *see* A. Chu, 11 (1990) 415
Griffin, P.M. and S.L. Messimer, Feature point tracking in time-varying images, 11 (1990) 843
Groen, F.C.A., *see* D.M. Gavrila, 13 (1992) 263
Groenewald, A.M., E. Barnard and E.C. Botha, Related approaches to gradient-based thresholding, 14 (1993) 567
Guan, L. and M. Kamel, Equal-average hyperplane partitioning method for vector quantization of image data, 13 (1992) 693
Guiducci, A., *see* P. Grattoni, 11 (1990) 95
Guiducci, A., *see* A. Cumani, 14 (1993) 415
Gürgen, F., R. Alpaydın, U. Ünlüakın and F. Alpaydın, Distributed and local neural classifiers for phoneme recognition, 15 (1994) 1111
Haddad, R.A., *see* L. Akarun, 13 (1992) 57
Haddingham, P., *see* G.S. Lim, 13 (1992) 325
Hadingham, P., *see* M. Alder, 13 (1992) 331
Hadjitodorov, S., *see* V. Kissiov, 11 (1990) 1
Hamamoto, Y., S. Uchimura, Y. Matsuura, T. Kanaoka and S. Tomita, Evaluation of the branch and bound algorithm for feature selection, 11 (1990) 453
Han, D., Z. Bien and B.-J. You, A theory of generalized incremental circle transform and its application for recognition of two-dimensional objects, 15 (1994) 769
Han, J.H., M.J. Kim and T. Poston, Computation of fixed surface features, 15 (1994) 587
Han, J.H., L.T. Kóczy and T. Poston, Fuzzy Hough transform, 15 (1994) 649
Hansen, O. and J. Bigun, Local symmetry modeling in multi- dimensional images, 13 (1992) 253

Haralick, R.M., Performance characterization in image analysis: thinning, a case in point, 13 (1992) 5
Hay, D.R., *see* K.J. Siddiqui, 15 (1994) 1137
Hazout, S., *see* L. Leboucher, 15 (1994) 309
He, G.P. and K. Kraus, A method to design filters for image smoothing, 13 (1992) 509
Hebert, T.J. and S. Chen, Object classification using half-contour features, 14 (1993) 507
Heijmans, H.J.A.M., A note on the umbra transform in gray-scale morphology, 14 (1993) 877
Held, A. and K. Abe, On approximate convexity, 15 (1994) 611
Hiriyannaiah, H.P. and K.R. Ramakrishnan, Moments estimation in Radon space, 15 (1994) 227
Hitchcock, D., *see* C.A. Glasbey, 15 (1994) 705
Ho, T.K., J.J. Hull and S.N. Srihari, A word shape analysis approach to lexicon based word recognition, 13 (1992) 821
Höhne, K.H., *see* T. Schiemann, 15 (1994) 519
Holder, E.B., *see* B.V. Dasarathy, 12 (1991) 497
Holyer, R., *see* S. Krishnamurthy, 14 (1993) 915
Hong, T.M., *see* M.S. Kamel, 15 (1994) 877
Horgan, G.W., *see* C.A. Glasbey, 15 (1994) 705
Houtsmuller, A.B., *see* M. Worring, 15 (1994) 497
Hovis, J.K., *see* J. Scharcanski, 15 (1994) 191
Hsieh, C.-H., P.-C. Lu and J.-C. Chang, Fast codebook generation algorithm for vector quantization of images, 12 (1991) 605
Hsu, F.-J., *see* S.-Y. Lee, 12 (1991) 425
Hsu, W.-H., *see* Y.-S. Chen, 11 (1990) 35
Hsu, W.-H., *see* J.-D. Yang, 15 (1994) 141
Hsueh, Y.-C., *see* J.-H. Lee, 15 (1994) 1241
Hu, G., *see* X. Cao, 15 (1994) 781
Huang, C.-L., Parallel image segmentation using modified Hopfield model, 13 (1992) 345
Huang, C.-L. and C.-W. Chen, Object identification using modified distributed associated memory, 13 (1992) 569
Huang, C.-L., Pictorial drawing generation for polyhedral object recognition using intensity images, 14 (1993) 121
Huang, C.-L., *see* C.-C. Chen, 14 (1993) 907
Huang, J.-S., *see* H.-Y. Liao, 14 (1993) 833
Huang, L. and A. Bijaoui, An efficient image compression algorithm without distortion, 12 (1991) 69
Huang, S.-T., *see* H.-Y. Liao, 14 (1993) 833
Huang, Y. and P. Zamperoni, An investigation on some sequential algorithms for terrain classification, 14 (1993) 523
Hull, J.J., *see* T.K. Ho, 13 (1992) 821
Huntley, C.L., *see* D.E. Brown, 12 (1991) 401
Hwang, S.-C., S.-K. Jung and H.-S. Yang, Efficient 3-D object representation and recognition based on CAD, 14 (1993) 679
Ichioka, Y., *see* A. Asano, 11 (1990) 557
Illing, D.P. and P.T. Fairney, Reconstructing partially occluded object boundaries, 12 (1991) 31
Illing, D.P. and P.T. Fairney, Determining perceptually significant points on noisy boundary curves, 12 (1991) 557
Ip, H.H.S., *see* S.W.C. Lam, 15 (1994) 691
Irinopoulou, T., *see* L. Leboucher, 15 (1994) 309
Itoh, K., *see* A. Asano, 11 (1990) 557
Iversen, H. and T. Lønnestad, An evaluation of stochastic models for analysis and synthesis of gray-scale texture, 15 (1994) 575
Iyengar, S.S., *see* S. Krishnamurthy, 14 (1993) 915
Jackway, P.T., Properties of multiscale morphological smoothing by poweroids, 15 (1994) 135
Jagoe, R., J. Arnold, C. Blauth, P.L.C. Smith, K.M. Taylor and R. Wootton, Measurement of capillary dropout in retinal angiograms by computerised image analysis, 13 (1992) 143
Jain, A., T. Newman and M. Goulish, Range-intensity histogram for segmenting LADAR images, 13 (1992) 41
Jansen, R.C., K. Reinink and G.W.A.M. Van der Heijden, Analysis of grey level histograms by using statistical methods for mixtures of distributions, 14 (1993) 585
Jarmillo-Moran, M.A., *see* F.J. Lopez-Aligue, 12 (1991) 265
Jayakumar, R., *see* D. Pao, 14 (1993) 951
Jayasooriah, *see* T.T.E. Yeo, 15 (1994) 1012
Jeanne, P., *see* L. De Floriani, 13 (1992) 463
Jeng, S.-C. and W.-H. Tsai, Fast generalized Hough transform, 11 (1990) 725
Jennings, G.F. and W.J. Lenhart, An art gallery theorem for line segments in the plane, 14 (1993) 727
Jia, X. and M.S. Nixon, Analysing front view face profiles for face recognition via the Walsh transform, 15 (1994) 551
Jiang, Q. and W. Zhang, An improved method for finding nearest neighbors, 14 (1993) 531
Jiang, X.Y. and H. Bunke, An optimal algorithm for extracting the regions of aplane graph, 14 (1993) 553
Jin, X.C., *see* T.T.E. Yeo, 15 (1994) 1012
Jobert, M., *see* H. Escola, 12 (1991) 327
Jolion, J.-M., P. Meer and A. Rosenfeld, Border delineation in image pyramids by concurrent tree growing, 11 (1990) 107
Jonassen, I., *see* R. Espelid, 12 (1991) 79
Jones, G., Image segmentation using texture boundary detection, 15 (1994) 533
Jones, R. and I. Svalbe, The design of morphological filters using multiple structuring elements, Part II: open(close) and close(open), 13 (1992) 175
Joseph, E., *see* T. Pavlidis, 14 (1993) 559
Juan, A. and E. Vidal, Fast *K*-means-like clustering in metric spaces, 15 (1994) 19
Jumarie, G., Contour detection by using information theory of deterministic functions, 12 (1991) 25
Jumarie, G., Image processing via entropies of deterministic functions, 12 (1991) 525
Jumarie, G., Path entropies of brightness functions and fractional Brownian motions, 13 (1992) 773
Jumarie, G., Informational similarity of graphs in syntactic pattern recognition, 15 (1994) 1177
Jung, S.-K., *see* S.-C. Hwang, 14 (1993) 679
Kahng, A.B. and G. Robins, Optimal algorithms for extracting spatial regularity in images, 12 (1991) 757
Kak, S., New algorithms for training feedforward neural networks, 15 (1994) 295
Kalkanis, G., The application of confidence interval error analysis to the design of decision tree classifiers, 14 (1993) 355
Kamath, M.V., *see* S. Xu, 14 (1993) 7
Kambhamettu, C., *see* S.K. Mishra, 15 (1994) 559
Kamel, M., *see* L. Guan, 13 (1992) 693

Kamel, M.S., H.C. Shen, A.K.C. Wong, T.M. Hong and R.I. Campeanu, Face recognition using perspective invariant features, 15 (1994) 877
Kamgar-Parsi, B., P.J. Narayanan and L.S. Davis, Surface reconstruction (of rough terrain) in range image shadows, 13 (1992) 657
Kanaoka, T., *see* Y. Hamamoto, 11 (1990) 453
Kanaoka, T., R. Chellappa, M. Yoshitaka and S. Tomita, A higher-order neural network for distortion invariant pattern recognition, 13 (1992) 837
Kanaoka, T., *see* M. Takano, 15 (1994) 631
Kankanhalli, M.S., An adaptive dominant point detection algorithm for digital curves, 14 (1993) 385
Kant, S., T.L. Rao and P.N. Sundaram, An automatic and stable clustering algorithm, 15 (1994) 543
Karssemeijer, N., A relaxation for image segmentation using a spatially dependent stochastic model, 11 (1990) 13
Kaushal, T.P., Visibly better edge-detection using observed image contrasts, 15 (1994) 641
Kavianpour, A. and N. Bagherzadeh, Finding circular shapes in an image on a pyramid architecture, 13 (1992) 843
Kawatani, T. and N. Miyamoto, Verification of personal handwriting characteristics for numerals and its application to recognition, 14 (1993) 335
Kenner, M. and T.-C. Pong, Motion analysis of long image sequence flow, 11 (1990) 123
Kim, C.E. and I. Stojmenovic, On the recognition of digital planes in three-dimensional space, 12 (1991) 665
Kim, C.-W. and A.J. Koivo, Hierarchical classification of surface defects on dusty wood boards, 15 (1994) 713
Kim, D.H., W.Y. Choi and R.-H. Park, Stereo matching technique based on the theory of possibility, 13 (1992) 735
Kim, H.-B. and R.-H. Park, Extraction of periodicity vectors from structural textures using projection information, 11 (1990) 625
Kim, H.J., *see* P.K. Kim, 15 (1994) 1245
Kim, H.S., *see* D.S. Seong, 15 (1994) 321
Kim, I.Y. and H.S. Yang, A systematic way for region-based image segmentation based on Markov Random Field model, 15 (1994) 969
Kim, J.H., *see* S.-B. Cho, 13 (1992) 309
Kim, J.H., *see* C.J. Cho, 13 (1992) 587
Kim, M.J., *see* J.H. Han, 15 (1994) 587
Kim, P.K. and H.J. Kim, Off-line handwritten Korean character recognition based on stroke extraction and representation, 15 (1994) 1245
Kim, S.D., *see* J.H. Lee, 13 (1992) 291
Kim, S.D., *see* J.J. Kwon, 14 (1993) 591
Kim, W. and R.-H. Park, Contour coding based on the decomposition of line segments, 11 (1990) 191
Kirby, S.P.J. and C.M. Theobald, Some two-stage procedures for the calculation of discriminant scores in the automated allocation of human chromosomes, 14 (1993) 221
Kirchner, H. and H. Niemann, Finite element method for determination of optical flow, 13 (1992) 131
Kiryati, N., M. Lindenbaum and A.M. Bruckstein, Digital or analog Hough transform?, 12 (1991) 291
Kiryati, N., *see* Y. Pnueli, 15 (1994) 329
Kissiov, V., S. Hadjitodorov and L. Kuncheva, Using key features in pattern classification, 11 (1990) 1
Kittler, J., *see* P. Pudil, 14 (1993) 841
Kittler, J., *see* P. Pudil, 15 (1994) 1119
Kleinschmidt, P., I. Mitterreiter and C. Rank, A hybrid method for automatic chromosome karyotyping, 15 (1994) 87
Kóczy, L.T., *see* J.H. Han, 15 (1994) 649
Koelma, D. and A. Smeulders, A visual programming interface for an image processing environment, 15 (1994) 1099
Koenderink, J.J. and A.J. Van Doorn, Two-plus-one-dimensional differential geometry, 15 (1994) 439
Koivo, A.J., *see* C.-W. Kim, 15 (1994) 713
Komen, E.R., View angle transformations, 12 (1991) 273
Komen, E.R., Efficient parallelism using indirect addressing in SIMD processor arrays, 12 (1991) 279
Kong, T.Y. and A. Rosenfeld, If we use 4- or 8-connectedness for both the objects and the background, the Euler characteristic is not locally computable, 11 (1990) 231
Kong, X., H. Everett and G. Toussaint, The Graham scan triangulates simple polygons, 11 (1990) 713
Koning, A.H.J., *see* K.J. Zuiderveld, 15 (1994) 507
Korany, E.A., Implementation and performance study of a generalized iterative algorithm for image reconstruction from the Hartley transform intensity, 14 (1993) 771
Koster, A.S.E., *see* C.N. De Graaf, 15 (1994) 469
Koster, A.S.E., *see* K.L. Vincken, 15 (1994) 477
Kovačič, S., *see* F. Pernuš, 15 (1994) 1071
Krämer, H., *see* T. Schiemann, 15 (1994) 519
Kraus, K., *see* G.P. He, 13 (1992) 509
Krishna, G., *see* V. Ramdas, 15 (1994) 885
Krishnamurthy, S., S.S. Iyengar, R. Holyer and M. Lybanon, Topographic-based feature labeling for infrared oceanographic images, 14 (1993) 915
Krishnapuram, R., H. Frigui and O. Nasraoui, The Fuzzy C Quadric Shell clustering algorithm and the detection of second-degree curves, 14 (1993) 545
Krizakova, I. and M. Kubat, FAVORIT: Concept formation with ageing of knowledge, 13 (1992) 19
Kubat, M., *see* I. Krizakova, 13 (1992) 19
Kuehnle, A., Symmetry-based recognition of vehicle rears, 12 (1991) 249
Kumar, P., D. Bhatnagar and P.S. Umapathi Rao, Pseudo one pass thinning algorithm, 12 (1991) 543
Kuncheva, L., *see* V. Kissiov, 11 (1990) 1
Kuncheva, L.I., 'Change-glasses' approach in pattern recognition, 14 (1993) 619
Kundi, P., *see* B.B. Chaudhuri, 14 (1993) 147
Kundu, M.K. and S.K. Pal, Automatic selection of object enhancement operator with quantitative justification based on fuzzy set theoretic measures, 11 (1990) 811
Kundu, M.K., B.B. Chaudhuri and D. Dutta Majumder, A parallel graytone thinning algorithm (PGTA), 12 (1991) 491
Kundu, M.K., *see* S.K. Pal, 15 (1994) 261
Kundu, P., *see* B.B. Chaudhuri, 14 (1993) 1
Kundu, P., *see* B.B. Chaudhuri, 14 (1993) 441

Kundu, P. and B.B. Chaudhuri, Fuzzy geometric feature-based texture classification, 14 (1993) 825
Kuo, S.-C., *see* H.-D. Chang, 15 (1994) 403
Kurita, T., *see* M. Tanaka, 15 (1994) 993
Kurtz, M.J., P. Mussio and P.G. Ossorio, A cognitive system for astronomical image interpretation, 11 (1990) 507
Kwon, J.J. and S.D. Kim, Uncertainty of features in planar object recognition and a new classifier, 14 (1993) 591
Lacroix, V., Edge detection; what about rotation invariance?, 11 (1990) 797
Lai, E., *see* M. Alder, 11 (1990) 313
Lalitha, L. and D. Dutta Majumder, A new linear feature detection technique based on second order neighbours, 11 (1990) 561
Lam, F.K., *see* P.C. Yuen, 15 (1994) 1223
Lam, L., *see* C.Y. Suen, 14 (1993) 303
Lam, L.T.S., *see* D.N.K. Leung, 14 (1993) 181
Lam, L.T.S., W.C.Y. Lam and D.N.K. Leung, A knowledge-based boundary convergence algorithm for line detection, 15 (1994) 383
Lam, L.T.S., *see* W.C.Y. Lam, 15 (1994) 1127
Lam, S.W.C. and H.H.S. Ip, Structural texture segmentation using irregular pyramid, 15 (1994) 691
Lam, W.C.Y., *see* D.N.K. Leung, 14 (1993) 181
Lam, W.C.Y., *see* L.T.S. Lam, 15 (1994) 383
Lam, W.C.Y., *see* R.K.K. Yip, 15 (1994) 919
Lam, W.C.Y., L.T.S. Lam, K.S.Y. Yuen and D.N.K. Leung, An analysis on quantizing the Hough space, 15 (1994) 1127
Lamb, D. and A. Bandopadhay, Shape from line drawings: beyond Huffman-Clowes labeling, 14 (1993) 213
Lancaster, I.T. and D.G. Elliman, A comparison of two algorithms for thresholding using edge detection techniques, 11 (1990) 175
Landau, G.M., *see* I. Dinstein, 11 (1990) 87
Landau, G.M., *see* I. Dinstein, 12 (1991) 299
Lapreste, J.T., *see* R. Glachet, 12 (1991) 693
Lapsa, P.M., Efficient multidimensional transformation from data space to parameter space, 13 (1992) 63
Launay, C., *see* L. Berger, 13 (1992) 425
Lavakusha, P.K. and P.G. Reddy, Polygonal representation by edge k-d trees, 11 (1990) 391
Leavers, V.F., *see* H.M. Berenyi, 13 (1992) 869
Leboucher, L., T. Irinopoulou and S. Hazout, Grey-tone skeletons of elongated objects using the concept of morphological automaton. Application to images of DNA molecules, 15 (1994) 309
Lee, C.-N., *see* S.-C. Goh, 13 (1992) 765
Lee, C.-N., *see* S.-C. Goh, 14 (1993) 39
Lee, D.-L., *see* W.-J. Wang, 15 (1994) 929
Lee, H.-J. and D.-J. Yu, Line-based structural matching via segment splitting, 11 (1990) 181
Lee, J.H., N.I. Lee and S.D. Kim, A fast and adaptive method to estimate texture statistics by the spatial gray level dependence matrix (SGLDM) for texture image segmentation, 13 (1992) 291
Lee, J.-H. and Y.-C. Hsueh, Texture classification method using multiple space filling curves, 15 (1994) 1241
Lee, K.-L., *see* L.-H. Chen, 11 (1990) 691
Lee, N.I., *see* J.H. Lee, 13 (1992) 291
Lee, R., P.-C. Lu and W.-H. Tsai, Moment preserving detection of elliptical shapes in gray-scale images, 11 (1990) 405
Lee, S.U., *see* D.J. Park, 15 (1994) 65
Lee, S.-Y. and F.-J. Hsu, Picture algebra for spatial reasoning of iconic images represented in 2D C-string, 12 (1991) 425
Legault, R., *see* C.Y. Suen, 14 (1993) 303
Lenhart, W.J., *see* G.F. Jennings, 14 (1993) 727
Lenz, R. and M. Osterberg, A new method for unsupervised feature extraction, using fourth-order moments, 13 (1992) 827
Lenz, R. and P. Meer, Experimental investigation of projection and permutation invariants, 15 (1994) 751
Leonardis, A., *see* F. Pernuš, 15 (1994) 1071
Leou, J.-J. and W.-H. Tsai, The minimum feature point set representing a convex polyhedral object, 11 (1990) 225
Leou, J.-J., *see* Y.-L. Chang, 13 (1992) 707
Lerch, A., *see* D. Chetverikov, 11 (1990) 743
Lerch, A., *see* D. Chetverikov, 13 (1992) 669
Leung, D.N.K., L.T.S. Lam and W.C.Y. Lam, Diagonal quantization for the Hough transform, 14 (1993) 181
Leung, D.N.K., *see* L.T.S. Lam, 15 (1994) 383
Leung, D.N.K., *see* R.K.K. Yip, 15 (1994) 919
Leung, D.N.K., *see* W.C.Y. Lam, 15 (1994) 1127
Lewis, P.H., *see* K.J. Goodson, 11 (1990) 295
Lewis, P.H., *see* M.R. Dobie, 12 (1991) 457
Li, C. and C.-H. Wu, Introducing rotation invariance into the Neocognitron model for target recognition, 14 (1993) 985
Li, H.F., *see* D. Pao, 14 (1993) 951
Li, R.Y. and M. Xu, Character recognition using a fast neural-net classifier, 13 (1992) 369
Li, X. and A. Basu, Variable-resolution character thinning, 12 (1991) 241
Li, Z.-N. and D. Zhang, Fast line detection in a hybrid pyramid, 14 (1993) 53
Liang, E.H. and E.K. Wong, An efficient method for obtaining morphological skeletons, 14 (1993) 689
Liao, H.-Y., J.-S. Huang and S.-T. Huang, Stroke-based handwritten Chinese character recognition using neural networks, 14 (1993) 833
Lim, G.S., M. Alder and P. Haddingham, Adaptive quadratic neural nets, 13 (1992) 325
Lim, S.G., *see* M. Alder, 13 (1992) 331
Lim, Y.S., T.I. Cho and K.H. Park, Range image segmentation based on 2D quadratic function approximation, 11 (1990) 699
Lin, F. and R.D. Brandt, Towards absolute invariants of images under translation, rotation and dilation, 14 (1993) 369
Lin, J.-C., *see* S.-L. Chou, 12 (1991) 109
Lin, J.-C., W.-H. Tsai and J.-A. Chen, Detecting number of folds by a simple mathematical property, 15 (1994) 1081
Lin, R. and E.K. Wong, Logic gate implementation for gray- scale morphology, 13 (1992) 481
Lin, W.-G. and S.-S. Wang, A note on the calculation of moments, 15 (1994) 1065
Lin, Y.-C., *see* K.-L. Chung, 15 (1994) 1165
Lin, Y.-T., N. Fang, M.-C. Cheng and S.-M. Chiang, A modified

homomorphic approach on invariant features of object images, 14 (1993) 453
Lindenbaum, M., *see* N. Kiryati, 12 (1991) 291
Liu, A., *see* D.S. Fritsch, 15 (1994) 445
Liu, C.-H., *see* K.-C. Fan, 15 (1994) 1201
Liu, Y.-H., *see* K.J. Siddiqui, 15 (1994) 1137
Lo, Z.-P. and B. Bavarian, Comparison of a neural network and a piecewise linear classifier, 12 (1991) 649
Lohar, G., D.P. Mukherjee and D. Dutta Majumder, On a decomposition of 2-D circular convolution, 13 (1992) 701
Lønnestad, T., *see* H. Iversen, 15 (1994) 575
Lopez-Aligue, F.J., I. Acevedo-Sotoca and M.A. Jarmillo-Moran, The fuzziness of fuzzy partitions, 12 (1991) 265
Lu, C.-C. and J.G. Dunham, Shape matching using polygon approximation and dynamic alignment, 14 (1993) 945
Lu, P.-C., *see* R. Lee, 11 (1990) 405
Lu, P.-C., *see* C.-H. Hsieh, 12 (1991) 605
Lu, S. and A. Szeto, Improving edge measurement on noisy images by hierarchical neural networks, 12 (1991) 155
Lu, S.W. and H. Xu, False stroke detection and elimination for character recognition, 13 (1992) 745
Lua, K.T., *see* K.W. Gan, 12 (1991) 381
Luijendijk, H., Automatic threshold selection using histograms based on the count of 4-connected regions, 12 (1991) 219
Lybanon, M., *see* S. Krishnamurthy, 14 (1993) 915
Maa, C.-Y., Hybrid vector quantization methods for image and video compression, 15 (1994) 243
Maio, D. and S. Rizzi, Clustering by discovery on maps, 13 (1992) 89
Majumdar, J., *see* K. Rangarajan, 14 (1993) 809
Malandain, G., *see* G. Bertrand, 15 (1994) 169
Malik, N.K., *see* R. Mukundan, 14 (1993) 199
Manninen, A.T., Statistical calculations of 3D-orientation parameters of flat symmetrical polyhedrons, 14 (1993) 207
Manninen, A.T., Orientational approximation of convex polygons with rectangles, 15 (1994) 677
Marchal, G., *see* A. Collignon, 15 (1994) 461
Mariot, J.-P., *see* L. Berger, 13 (1992) 425
Marola, G., *see* V. Ciuti, 11 (1990) 59
Matsuura, Y., *see* Y. Hamamoto, 11 (1990) 453
Mattioli, J., *see* M. Schmitt, 15 (1994) 943
McLaughlin, R.A., M.D. Alder and C.J.S. DeSilva, Inference of structure: hands, 15 (1994) 957
Meer, P., *see* J.-M. Jolion, 11 (1990) 107
Meer, P., *see* S. Arya, 12 (1991) 619
Meer, P., *see* R. Lenz, 15 (1994) 751
Melter, R.A., I. Stojmenović and J. Žunić, A new characterization of digital lines by least square fits, 14 (1993) 83
Mertzios, B.G. and K. Tsirkolias, Statistical shape discrimination and clustering using an efficient set of moments, 14 (1993) 517
Messimer, S.L., *see* P.M. Griffin, 11 (1990) 843
Micó, M.L., J. Oncina and E. Vidal, A new version of the Nearest-Neighbour Approximating and Eliminating Search Algorithm (AESA) with linear preprocessing time and memory requirements, 15 (1994) 9
Miller, D. and K. Rose, A non-greedy approach to tree-structured clustering, 15 (1994) 683
Miller, R., *see* L. Boxer, 14 (1993) 17
Miller, R., *see* L. Boxer, 14 (1993) 111
Milun, D. and D. Sher, Improving sampled probability distributions for Markov random fields, 14 (1993) 781
Mintz, D., *see* A. Amir, 12 (1991) 683
Mishra, S.K., D.B. Goldgof and C. Kambhamettu, Estimating non-rigid motion from point and line correspondences, 15 (1994) 559
Mitterreiter, I., *see* P. Kleinschmidt, 15 (1994) 87
Miyamoto, N., *see* T. Kawatani, 14 (1993) 335
Molina, R., *see* J.A. García, 15 (1994) 861
Mordeson, J.N., Fuzzy line graphs, 14 (1993) 381
Morgan, G., *see* G. Bolt, 13 (1992) 339
Morse, B.S., *see* D.S. Fritsch, 15 (1994) 445
Mukherjee, D.P., *see* G. Lohar, 13 (1992) 701
Mukherjee, D.P., D.K. Banerjee, B. Uma Shankar and D. Dutta Majumder, A coal micrograph image understanding system, 14 (1993) 155
Mukherjee, J., *see* P.P. Das, 11 (1990) 601
Mukundan, R., N.K. Malik and K.R. Ramakrishnan, Attitude estimation using moment invariants, 14 (1993) 199
Murase, H., *see* J.B. Cole, 12 (1991) 519
Murthy, C.A., *see* D. Chaudhuri, 13 (1992) 399
Murty, N., *see* S. Choudhury, 11 (1990) 385
Mussio, P., *see* M.J. Kurtz, 11 (1990) 507
Mussio, P., *see* P. Bottoni, 15 (1994) 177
Nadal, C., *see* C.Y. Suen, 14 (1993) 303
Nagao, T., *see* K. Urahama, 15 (1994) 723
Nagy, G., *see* L. De Floriani, 13 (1992) 463
Nair, P.S., Triangle and parallelogram laws on fuzzy graphs, 15 (1994) 803
Naito, S., *see* J.B. Cole, 12 (1991) 519
Narasimha Murty, M., *see* G. Phanendra Babu, 14 (1993) 763
Narayanan, P.J., *see* B. Kamgar-Parsi, 13 (1992) 657
Nasraoui, O., *see* R. Krishnapuram, 14 (1993) 545
Navarro, R., *see* G. Cristobal, 15 (1994) 273
Neuvo, Y., *see* X. Song, 14 (1993) 889
Neuvo, Y., *see* T. Sun, 15 (1994) 341
Newman, T., *see* A. Jain, 13 (1992) 41
Niemann, H., *see* H. Kirchner, 13 (1992) 131
Nixon, M.S., *see* X. Jia, 15 (1994) 551
Notturno Granieri, M., *see* S. Di Zenzo, 14 (1993) 997
Novovičová, J., *see* P. Pudil, 14 (1993) 841
Novovičová, J., *see* P. Pudil, 15 (1994) 1119
Ogawa, H., A fuzzy relaxation technique for partial shape matching, 15 (1994) 349
Olejnik, S., *see* J.-G. Postaire, 15 (1994) 1211
Oliver, J.L., *see* R. Román-Roldán, 15 (1994) 567
Oncina, J., *see* M.L. Micó, 15 (1994) 9
Ong, S.H., *see* T.T.E. Yeo, 15 (1994) 1012
Oosterlinck, A., *see* F. Fierens, 12 (1991) 781
Ossorio, P.G., *see* M.J. Kurtz, 11 (1990) 507
Osterberg, M., *see* R. Lenz, 13 (1992) 827
Owens, R.A., Feature-free images, 15 (1994) 35

Ozbek, F.O. and M.D. Wagh, A parallel Hough transform algorithm for nonuniform images, 15 (1994) 253
Padmanabhan, K., *see* B.V. Sheela, 14 (1993) 65
Paillou, Ph., Non-antisymmetrical edge profile detection, 15 (1994) 595
Pal, N.R., *see* D. Bhandari, 13 (1992) 857
Pal, S.K., *see* M.K. Kundu, 11 (1990) 811
Pal, S.K., *see* A. Ghosh, 13 (1992) 387
Pal, S.K., D. Bhandari and M.K. Kundu, Genetic algorithms for optimal image enhancement, 15 (1994) 261
Pallo, J.-M., *see* A. Bonnin, 13 (1992) 411
Palubinskas, G., Analytical probability of error for the design of the Bayes decision rule, 14 (1993) 753
Pancorbo, M., *see* M. Aguilar, 15 (1994) 985
Pao, D., H.F. Li and R. Jayakumar, A decomposable parameter space for the detection of ellipses, 14 (1993) 951
Park, D., Adaptive Bayesian decision model for motion segmentation, 15 (1994) 1183
Park, D.J., R.-H. Park, S.U. Lee and J.S. Choi, Hierarchical edge detection using the bidirectional information in edge pyramids, 15 (1994) 65
Park, K.H., *see* Y.S. Lim, 11 (1990) 699
Park, K.H., *see* I.G. Chun, 15 (1994) 151
Park, K.H., *see* D.S. Seong, 15 (1994) 321
Park, R.-H., *see* W. Kim, 11 (1990) 191
Park, R.-H., *see* H.-B. Kim, 11 (1990) 625
Park, R.-H., *see* D.H. Kim, 13 (1992) 735
Park, R.-H., *see* D.J. Park, 15 (1994) 65
Parodi, G., *see* A. Diaspro, 14 (1993) 861
Parthasarathy, G., *see* A. Balasubramaniam, 11 (1990) 651
Parui, S.K., S. Sarkar and B.B. Chaudhuri, Computing the shape of a point set in digital images, 14 (1993) 89
Pau, L.F., *see* B. Bell, 13 (1992) 279
Pavlidis, T., Recognition of printed text under realistic conditions, 14 (1993) 317
Pavlidis, T., M. Chen and E. Joseph, Sampling and quantization of bilevel signals, 14 (1993) 559
Peleg, K. and U. Ben-Hanan, Adaptive sorting by prototype populations, 15 (1994) 111
Perez, J.-C. and E. Vidal, Optimum polygonal approximation of digitized curves, 15 (1994) 743
Pérez de la Blanca, N., J. Fdez-Valdivia and J.A. García, Characterizing planar outlines, 14 (1993) 489
Pérez de la Blanca, N., *see* J.A. García, 15 (1994) 861
Pernuš, F., A. Leonardis and S. Kovačič, Two-dimensional object recognition using multiresolution non-information-preserving shape features, 15 (1994) 1071
Petry, F.E., *see* C.A. Ankenbrandt, 11 (1990) 285
Pfluger, P., *see* M. Worring, 15 (1994) 497
Phadte, N.D., *see* S. Bhama, 14 (1993) 651
Phanendra Babu, G. and M. Narasimha Murty, A near-optimal initial seed value selection in *K*-means algorithm using a genetic algorithm using a genetic algorithm, 14 (1993) 763
Pirrone, R., *see* E. Ardizzone, 15 (1994) 77
Pizer, S.M., *see* D.S. Fritsch, 15 (1994) 445
Pnueli, Y., N. Kiryati and A.M. Bruckstein, Hough techniques for fast optimization of linear constant velocity motion in moving influence fields, 15 (1994) 329
Poiseau, E., *see* H. Escola, 12 (1991) 327
Pollastri, F., Projection center calibration by motion, 14 (1993) 975
Pommert, A., *see* T. Schiemann, 15 (1994) 519
Pong, T.-C., *see* M. Kenner, 11 (1990) 123
Postaire, J.-G. and S. Olejnik, A relaxation scheme for improving a convexity based clustering method, 15 (1994) 1211
Poston, T., *see* J.H. Han, 15 (1994) 587
Poston, T., *see* J.H. Han, 15 (1994) 649
Poston, W.L., G.W. Rogers, C.E. Priebe and J.L. Solka, A qualitative analysis of the resistive grid kernel estimator, 15 (1994) 219
Prasad, R., *see* L. Yang, 14 (1993) 1019
Priebe, C.E., *see* W.L. Poston, 15 (1994) 219
Protti, M., *see* P. Bottoni, 15 (1994) 177
Pudil, P., J. Novovičová, N. Choakjarernwanit and J. Kittler, An analysis of the Max-Min approach to feature selection and ordering, 14 (1993) 841
Pudil, P., J. Novovičová and J. Kittler, Floating search methods in feature selection, 15 (1994) 1119
Qi, F., *see* Y. Sun, 14 (1993) 407
Qiu, G., M.R. Varley and T.J. Terrell, Improved clustering using deterministic annealing with a gradient descent technique, 15 (1994) 607
Quaglia, G., *see* S. Denasi, 13 (1992) 529
Ragnemalm, I., The Euclidean distance transform in arbitrary dimensions, 14 (1993) 883
Rajagopal, C., *see* B.V. Sheela, 14 (1993) 65
Raju, P.S.V.S.K., *see* N.B. Venkateswarlu, 15 (1994) 105
Ramakrishnan, K.R., *see* R. Mukundan, 14 (1993) 199
Ramakrishnan, K.R., *see* H.P. Hiriyannaiah, 15 (1994) 227
Ramdas, V., V. Sridhar and G. Krishna, An effective clustering technique for feature extraction, 15 (1994) 885
Rangarajan, K., Seethalakshmy and J. Majumdar, Computation and use of planar face normals, 14 (1993) 809
Rank, C., *see* P. Kleinschmidt, 15 (1994) 87
Rao, T.L., *see* S. Kant, 15 (1994) 543
Rappaport, D., *see* P. Eades, 14 (1993) 715
Rau-Chaplin, A., *see* L. Boxer, 14 (1993) 111
Ray, A.K., *see* S.S. Biswas, 14 (1993) 23
Ray, B.K. and K.S. Ray, A new approach to scale-space image, 15 (1994) 365
Ray, B.Kr. and K.S. Ray, A non-parametric sequential method for polygonal approximation of digital curves, 15 (1994) 161
Ray, K.S., *see* B.Kr. Ray, 15 (1994) 161
Ray, K.S., *see* B.K. Ray, 15 (1994) 365
Ray, K.S. and D. Dutta Majumder, Application of Hopfield neural networks and canonical perspectives to recognize and locate partially occluded 3-D objects, 15 (1994) 815
Reddy, P.G., *see* P.K. Lavakusha, 11 (1990) 391
Reinink, K., *see* R.C. Jansen, 14 (1993) 585
Rhodes, F., Erratum to "Discrete Euclidean metrics", 14 (1993) 79
Riemer, M., *see* T. Schiemann, 15 (1994) 519
Rinaudi, D., *see* S. Denasi, 13 (1992) 529

Rizzi, S., *see* D. Maio, 13 (1992) 89
Robert, J.-M., Maximum distance between two sets of points in E^d, 14 (1993) 733
Roberto, V., *see* E. Trucco, 15 (1994) 1151
Robins, G., *see* A.B. Kahng, 12 (1991) 757
Rogers, G.W., *see* W.L. Poston, 15 (1994) 219
Román-Roldán, R., P. Bernaola-Galván and J.L. Oliver, Entropic feature for sequence pattern through iterated function systems, 15 (1994) 567
Romeo, L., *see* V. Di Gesù, 15 (1994) 731
Rose, K., *see* D. Miller, 15 (1994) 683
Rosenfeld, A., *see* J.-M. Jolion, 11 (1990) 107
Rosenfeld, A., *see* T.Y. Kong, 11 (1990) 231
Rosenfeld, A., *see* M. Bister, 11 (1990) 605
Rosenfeld, A., *see* S. Banerjee, 13 (1992) 95
Rosenfeld, A., Fuzzy plane geometry: triangles, 15 (1994) 1261
Rosin, P.L., Acquiring information from cues, 14 (1993) 599
Rosin, P.L., Ellipse fitting by accumulating five-point fits, 14 (1993) 661
Rosin, P.L., A note on the least squares fitting of ellipses, 14 (1993) 799
Rossi, M., *see* M. Boninsegna, 15 (1994) 1255
Roux, C., *see* V. Burdin, 13 (1992) 213
Saha, P.K., B. Chanda and D. Dutta Majumder, A single scan boundary removal thinning algorithm for 2-D binary object, 14 (1993) 173
Saleh, A.O.M., A method of coding hand-written Arabic characters and its application to context-free grammar, 15 (1994) 1265
Samanta, G.P., *see* B.B. Chaudhuri, 12 (1991) 1
Samantaray, A.K. and J. Starkey, A fast sequential algorithm for pixel grey level ranking in adaptive rank filters applied to digital images, 15 (1994) 45
Samet, H., *see* C.-H. Ang, 15 (1994) 57
Sandler, M.B., *see* D. Ben-Tzvi, 11 (1990) 167
Sanniti di Baja, G., *see* C. Arcelli, 13 (1992) 237
Santerini, D., *see* V. Ciuti, 11 (1990) 59
Santini, S., *see* C. Colombo, 15 (1994) 373
Sarkar, D., A simple algorithm for detection of significant vertices for polygonal approximation of chain-coded curves, 14 (1993) 959
Sarkar, N., *see* B.B. Chaudhuri, 14 (1993) 147
Sarkar, S., *see* S.K. Parui, 14 (1993) 89
Scharcanski, J., J.K. Hovis and H.C. Shen, Representing the color aspect of texture images, 15 (1994) 191
Schettini, R., A segmentation algorithm for color images, 14 (1993) 499
Schettini, R., Multicolored object recognition and location, 15 (1994) 1089
Schiemann, T., K.H. Höhne, H. Krämer, A. Pommert, M. Riemer, R. Schubert and U. Tiede, "Intelligent volumes": a new concept for representing spatial knowledge, 15 (1994) 519
Schmitt, M. and J. Mattioli, Strong and weak convex hulls in non-Euclidean metric: theory and application, 15 (1994) 943
Schubert, R., *see* T. Schiemann, 15 (1994) 519
Seeger, R., *see* U. Seeger, 15 (1994) 669
Seeger, U. and R. Seeger, Fast corner detection in grey-level images, 15 (1994) 669
Seethalakshmy, *see* K. Rangarajan, 14 (1993) 809
Sehgal, C.M., *see* A. Chu, 11 (1990) 415
Seong, D.S., Y.K. Choi, H.S. Kim and K.H. Park, An algorithm for optimal isomorphism between two random graphs, 15 (1994) 321
Sethi, I.K. and G. Yu, Making a mobile robot learn to determine its location using neural networks, 15 (1994) 393
Setlur, S. and V. Govindaraju, Generating manifold samples from a handwritten word, 15 (1994) 901
Sgurev, V., *see* V. Shapiro, 14 (1993) 71
Shapiro, V., G. Gluchev and V. Sgurev, Handwritten document image segmentation and analysis, 14 (1993) 71
Sharaiha, Y.M. and N. Christofides, A graph-theoretic approach to distance transformations, 15 (1994) 1033
Sheela, B.V., C. Rajagopal and K. Padmanabhan, TEMPO – template matching by parametric optimization, 14 (1993) 65
Shen, H.C., *see* C.Y.C. Bie, 14 (1993) 421
Shen, H.C., *see* J. Scharcanski, 15 (1994) 191
Shen, H.C., *see* M.S. Kamel, 15 (1994) 877
Sher, D., *see* D. Milun, 14 (1993) 781
Sher, D.B. and C.Y. Cheung, Constructing noise-reducing operators from training images, 15 (1994) 357
Shermer, T., On recognizing unions of two convex polygons and related problems, 14 (1993) 737
Shi, Q., *see* S. Zhong, 15 (1994) 1171
Shivaprasad, A.P., *see* V.K. Govindan, 12 (1991) 645
Shrikhande, N., *see* X. Cao, 15 (1994) 781
Siddiqui, K.J., Y.-H. Liu, D.R. Hay and C.Y. Suen, Feature selection using a proximity-index optimization model, 15 (1994) 1137
Siedlecki, W.W., A formula for multi-class distributed classifiers, 15 (1994) 739
Singh, H., *see* S. Bhama, 14 (1993) 651
Sinniah, R., *see* T.T.E. Yeo, 15 (1994) 1012
Skrzypek, J., *see* M. Takano, 15 (1994) 631
Smeulders, A., *see* D. Koelma, 15 (1994) 1099
Smeulders, A.W.M., *see* A.L.D. Beckers, 11 (1990) 233
Smeulders, A.W.M., *see* M. Worring, 15 (1994) 497
Smith, P.L.C., *see* R. Jagoe, 13 (1992) 143
Soille, P., Generalized geodesy via geodesic time, 15 (1994) 1235
Solka, J.L., *see* W.L. Poston, 15 (1994) 219
Song, X. and Y. Neuvo, Robust edge detector based on morphological filters, 14 (1993) 889
Sorbello, F., *see* E. Ardizzone, 12 (1991) 177
Sorbello, F., *see* E. Ardizzone, 15 (1994) 77
Spann, M., *see* A.E. Grace, 12 (1991) 635
Sprinzak, J. and M. Werman, Affine point matching, 15 (1994) 337
Sridhar, V., *see* V. Ramdas, 15 (1994) 885
Srihari, S.N., *see* T.K. Ho, 13 (1992) 821
Srihari, S.N., Recognition of handwritten and machine-printed text for postal address interpretation, 14 (1993) 291
Srinivasan, A. and C. Batur, Fault detection and isolation in an unsupervised learning environment, 15 (1994) 235

Starink, J.P.P. and I.T. Young, Localization of circular objects, 14 (1993) 895
Starkey, J., *see* A.K. Samantaray, 15 (1994) 45
Stewart, A., A one-pass thinning algorithm with interference guards, 15 (1994) 825
Stojmenovic, I., *see* C.E. Kim, 12 (1991) 665
Stojmenović, I., *see* R.A. Melter, 14 (1993) 83
Stonham, T.J., *see* G. Tambouratzis, 14 (1993) 927
Suen, C.Y., R. Legault, C. Nadal, M. Cheriet and L. Lam, Building a new generation of handwriting recognition systems, 14 (1993) 303
Suen, C.Y., *see* M. Cheriet, 14 (1993) 1009
Suen, C.Y., *see* K.J. Siddiqui, 15 (1994) 1137
Suetens, P., *see* F. Fierens, 12 (1991) 781
Suetens, P., *see* A. Collignon, 15 (1994) 461
Suk, M., *see* S.M. Bhandarkar, 12 (1991) 45
Suk, T., *see* J. Flusser, 15 (1994) 433
Sun, T. and Y. Neuvo, Detail-preserving median based filters in image processing, 15 (1994) 341
Sun, Y. and F. Qi, Shape normalization through visible region center and unvisible region center, 14 (1993) 407
Sun, Y. and S.-Y. Yu, An eliminating highest error (EHE) criterion in Hopfield neural networks for bilevel image restoration, 14 (1993) 471
Sun, Y., Neural network approach for classification using features extracted by a mapping, 14 (1993) 749
Sundaram, P.N., *see* S. Kant, 15 (1994) 543
Suraweera, F., *see* P. Bhattacharya, 12 (1991) 413
Svalbe, I., *see* R. Jones, 13 (1992) 175
Swift, J.A., *see* I. Andreadis, 11 (1990) 51
Szeto, A., *see* S. Lu, 12 (1991) 155
Takano, M., T. Kanaoka, J. Skrzypek and S. Tomita, A note on a higher-order neural network for distortion invariant pattern recognition, 15 (1994) 631
Tam, P.K.S., *see* R.K.K. Yip, 15 (1994) 919
Tambouratzis, G. and T.J. Stonham, Evaluating the topology-preservation capabilities of a self-organising logical neural network, 14 (1993) 927
Tambouratzis, G., Optimising the clustering performance of a self-organising logic neural network with topology-preserving capabilities, 15 (1994) 1018
Tanaka, M., On the representation of the projected motion group in 2+1D, 14 (1993) 671
Tanaka, M., T. Kurita and S. Umeyama, Image understanding via representation of the projected motion group, 15 (1994) 993
Taylor, K.M., *see* R. Jagoe, 13 (1992) 143
Terrell, T.J., *see* G. Qiu, 15 (1994) 607
Theobald, C.M., *see* S.P.J. Kirby, 14 (1993) 221
Tiede, U., *see* T. Schiemann, 15 (1994) 519
Togneri, R., *see* M. Alder, 11 (1990) 313
Toivanen, P.J., Image compression by selecting control points using distance function on curved space, 14 (1993) 475
Tokunaga, Y., History and current state of postal mechanization in Japan, 14 (1993) 277
Tomita, S., *see* Y. Hamamoto, 11 (1990) 453
Tomita, S., *see* T. Kanaoka, 13 (1992) 837
Tomita, S., *see* M. Takano, 15 (1994) 631
Tonazzini, A., *see* L. Bedini, 12 (1991) 687
Tonazzini, A., *see* L. Bedini, 15 (1994) 907
Toussaint, G., *see* X. Kong, 11 (1990) 713
Toussaint, G., *see* B. Bhattacharya, 12 (1991) 145
Toussaint, G., *see* H. ElGindy, 14 (1993) 719
Toussaint, G.T., Editorial, 14 (1993) 697
Toussaint, G.T., A counterexample to Tomek's consistency theorem for a condensed nearest neighbor decision rule, 15 (1994) 797
Trucco, E., M. Diprima and V. Roberto, Visibility scripts for active feature-based inspection, 15 (1994) 1151
Tsai, W.-H., *see* J.-J. Leou, 11 (1990) 225
Tsai, W.-H., *see* R. Lee, 11 (1990) 405
Tsai, W.-H., *see* C.-S. Chen, 11 (1990) 471
Tsai, W.-H., *see* S.-C. Jeng, 11 (1990) 725
Tsai, W.-H., *see* S.-L. Chou, 12 (1991) 109
Tsai, W.-H., *see* J.-C. Lin, 15 (1994) 1081
Tsang, P.W.M., *see* P.C. Yuen, 15 (1994) 1223
Tsikopoulos, N., A unimodal counterexample to a diameter algorithm, 14 (1993) 747
Tsirkolias, K., *see* B.G. Mertzios, 14 (1993) 517
Tsui, H.-T., *see* R. Buse, 14 (1993) 431
Tuceryan, M., Moment-based texture segmentation, 15 (1994) 659
Uchimura, S., *see* Y. Hamamoto, 11 (1990) 453
Umapathi Rao, P.S., *see* P. Kumar, 12 (1991) 543
Uma Shankar, B., *see* D.P. Mukherjee, 14 (1993) 155
Umeyama, S., *see* M. Tanaka, 15 (1994) 993
Ünlüakın, U., *see* F. Gürgen, 15 (1994) 1111
Urahama, K. and T. Nagao, Analog circuit implementation and learning algorithm for nearest neighbor classifiers, 15 (1994) 723
Van Cleynenbreugel, J., *see* F. Fierens, 12 (1991) 781
Van der Heijden, G.W.A.M., *see* R.C. Jansen, 14 (1993) 585
Vandermeulen, D., *see* A. Collignon, 15 (1994) 461
Van der Stelt, P.F., *see* W.G.M. Geraets, 12 (1991) 575
Van Doorn, A.J., *see* J.J. Koenderink, 15 (1994) 439
Van Vliet, L.J. and P.W. Verbeek, Edge localization by MoG filters: Multiple-of-Gaussians, 15 (1994) 485
Varley, M.R., *see* G. Qiu, 15 (1994) 607
Veelaert, P., Periodic differences of digitized curves, 14 (1993) 169
Venkateswarlu, N.B. and P.S.V.S.K. Raju, Winograd's method: a perspective for some pattern recognition problems, 15 (1994) 105
Ventura, J.A. and J.-M. Chen, Optimal matching of nonconvex polygons, 14 (1993) 445
Verbeek, P.W., *see* L.J. Van Vliet, 15 (1994) 485
Vidal, E., *see* F. Ferri, 13 (1992) 561
Vidal, E., New formulation and improvements of the Nearest-Neighbour Approximating and Eliminating Search Algorithm (AESA), 15 (1994) 1
Vidal, E., *see* M.L. Micó, 15 (1994) 9
Vidal, E., *see* A. Juan, 15 (1994) 19
Vidal, E., *see* J.-C. Perez, 15 (1994) 743
Viergever, M.A., *see* C.N. De Graaf, 15 (1994) 469
Viergever, M.A., *see* K.L. Vincken, 15 (1994) 477

Viergever, M.A., *see* K.J. Zuiderveld, 15 (1994) 507
Vincken, K.L., *see* C.N. De Graaf, 15 (1994) 469
Vincken, K.L., A.S.E. Koster and M.A. Viergever, Probabilistic segmentation of partial volume voxels, 15 (1994) 477
Vstovskaya, A.V., *see* G.V. Vstovsky, 14 (1993) 391
Vstovsky, G.V. and A.V. Vstovskaya, A class of hidden Markov models for image processing, 14 (1993) 391
Wada, M., Proposal for fully automated mail processing system for the 21st century, 14 (1993) 281
Wagh, M.D., *see* F.O. Ozbek, 15 (1994) 253
Wakahara, T., Toward robust handwritten character recognition, 14 (1993) 345
Wang, H.-C., *see* M.-S. Chen, 13 (1992) 315
Wang, J.-F., *see* H.-D. Chang, 15 (1994) 403
Wang, P.S.P., Comments on the 7th ICIAP '93 (*Conference Report*), 15 (1994) 317
Wang, S.-S., *see* W.-G. Lin, 15 (1994) 1065
Wang, W.-J. and D.-L. Lee, A learning model of the feature-detecting cells for unsupervised pattern classification, 15 (1994) 929
Wang, Y.-K., *see* K.-C. Fan, 15 (1994) 1201
Wechsler, H., *see* J. Bala, 14 (1993) 965
Werman, M., *see* J. Sprinzak, 15 (1994) 337
Wohn, K., *see* T. Darell, 11 (1990) 787
Won, C.S., An optimization for classification maximum likelihood criterion, 14 (1993) 363
Wong, A.K.C., *see* M.S. Kamel, 15 (1994) 877
Wong, E.K., *see* R. Lin, 13 (1992) 481
Wong, E.K., *see* E.H. Liang, 14 (1993) 689
Wootton, R., *see* R. Jagoe, 13 (1992) 143
Worring, M., P. Pfluger, A.W.M. Smeulders and A.B. Houtsmuller, Measurement of 3D-line shaped objects, 15 (1994) 497
Wu, C.-H., *see* C. Li, 14 (1993) 985
Wu, J., *see* H. Yan, 15 (1994) 97
Wu, T.-C., *see* C.-C. Chang, 14 (1993) 625
Wu, T.-C. and C.-C. Chang, Application of geometric hashing to iconic database retrieval, 15 (1994) 871
Xie, M., Tracking closed curves by a matching process, 14 (1993) 103
Xie, M., 3D motion estimation from combined 2D-3D data of line segments, 14 (1993) 191
Xie, M., Stereo and motion matching: a Hough-transform inspired method, 15 (1994) 1143
Xu, H., *see* S.W. Lu, 13 (1992) 745
Xu, M., *see* R.Y. Li, 13 (1992) 369
Xu, S., M.V. Kamath and D.W. Capson, Selection of partitions from a hierarchy, 14 (1993) 7
Yan, H. and J. Wu, Character and line extraction from color map images using a multi-layer neural network, 15 (1994) 97
Yan, H., Handwritten digit recognition using an optimized nearest neighbor classifier, 15 (1994) 207
Yang, H.-S., *see* S.-C. Hwang, 14 (1993) 679
Yang, H.S., *see* I.Y. Kim, 15 (1994) 969
Yang, J.-D., Y.-S. Chen and W.-H. Hsu, Adaptive thresholding algorithm and its hardware implementation, 15 (1994) 141
Yang, L. and R. Prasad, Online recognition of handwritten characters using differential angles and structural descriptors, 14 (1993) 1019
Yeo, T.T.E., X.C. Jin, S.H. Ong, Jayasooriah and R. Sinniah, Clump splitting through concavity analysis, 15 (1994) 1012
Yin, P.-Y. and L.-H. Chen, A new non-iterative approach for clustering, 15 (1994) 125
Yip, R.K.K., W.C.Y. Lam, P.K.S. Tam and D.N.K. Leung, A Hough transform technique for the detection of rotational symmetry, 15 (1994) 919
Yoshitaka, M., *see* T. Kanaoka, 13 (1992) 837
You, B.-J., *see* D. Han, 15 (1994) 769
You, J., *see* A.H. Cohen, 13 (1992) 599
You, S.D. and G.E. Ford, Network model for invariant object recognition, 15 (1994) 761
Young, I.T., *see* J.P.P. Starink, 14 (1993) 895
Yu, D.-J., *see* H.-J. Lee, 11 (1990) 181
Yu, G., *see* I.K. Sethi, 15 (1994) 393
Yu, S.-Y., *see* Y. Sun, 14 (1993) 471
Yuen, K.S.Y. and W.W. Chan, Two methods for detecting symmetries, 15 (1994) 279
Yuen, K.S.Y., *see* W.C.Y. Lam, 15 (1994) 1127
Yuen, P.C., P.W.M. Tsang and F.K. Lam, Robust matching process: a dominant point approach, 15 (1994) 1223
Zalesny, A.V., *see* G.L. Gimel'farb, 14 (1993) 789
Zamperoni, P., *see* Y. Huang, 14 (1993) 523
Zazian, G.Z., *see* A.A. Chilingarian, 11 (1990) 781
Zhang, D., *see* Z.-N. Li, 14 (1993) 53
Zhang, W., *see* A. Asano, 11 (1990) 557
Zhang, W., *see* Q. Jiang, 14 (1993) 531
Zhong, S., Q. Shi and M.-T. Cheng, Adaptive hierarchical vector quantization for image coding, 15 (1994) 1171
Ziou, D. and J.-P. Fabre, Effects of edge orientation on the performance of first-order operators, 15 (1994) 1049
Zlatopolsky, A.A., Automated document segmentation, 15 (1994) 699
Zuiderveld, K.J., A.H.J. Koning and M.A. Viergever, Techniques for speeding up high-quality perspective Maximum Intensity Projection, 15 (1994) 507
Žunić, J., *see* R.A. Melter, 14 (1993) 83
Zunino, R., *see* A. Diaspro, 14 (1993) 861